

20040902.ba v03_n701.bam.20040902

>From ???@??? Thu Sep 2 21:01:17 2004 -0500
Message-Id: <200409030201.i832109Y018914@sco.theporch.com>
Date: Thu, 2 Sep 2004 21:00:36 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3701

BOATANCHORS Digest 3701

Topics covered in this issue include:

- 1) Broadcasting from Korea AFKN bC-610s - superpros, who could ask for more?
by "ed sharpe" <esharpe@uswest.net>
- 2) Re: 6AG7 tx, PM, SB-102
by stuck in 50s <polepeeg@ba-watch.org>
- 3) foto
by "Listown" <listown@nanniandjack.com>
- 4) Re: One Tube Transmitter Article?
by "JAMES HANLON" <knjhanlon@msn.com>
- 5) Question
by wgdavis <>wgdavis@ipass.net>
- 6) Re: Question
by Mike Hanz <AAF-Radio-1@cox.net>
- 7) Re: question (virus-infested list members)
by John Shriver <jshriver@internap.com>
- 8) Re: Question
by Paul Beckwith <beckrep@citlink.net>
- 9) Re: question (virus-infested list members)
by "Ken Hickman" <n5cm@rtconline.com>
- 10) ADMINISTRIVIA: Buying and Selling Guidelines
by listown@nanniandjack.com (Mail List Owner)
- 11) Re: question (virus-infested list members)
by John Shriver <jshriver@internap.com>
- 12) Virus and hacking protection, sort of...
by "Herbert M. Rosenthal" <herbrose@comcast.net>
- 13) foto attachments
by "David Thompson" <thompson@mindspring.com>
- 14) Re: 6AG7 tx, PM, SB-102
by Scott Robinson <spr@earthlink.net>
- 15) 4h4 Substitute?
by Bob Kemp <b Kemp@bobkemp.com>
- 16) Re: 4h4 Substitute?
by GAREY - K4OAH <k4oah@mindspring.com>
- 17) Re: 4h4 Substitute?
by wb3fau@att.net
- 18) Re: 4h4 Substitute?

by "WA5JCI" <wa5jci@flash.net>
19) NC-300/303 Parts needed
by "Bob Kemp" <bkemp@bobkemp.com>
20) Re: NC-300/303 Parts needed
by Garey Barrell <k4oah@mindspring.com>
21) Heath IM-16 schematic?
by Charles <charlesmorris@direcway.com>
22) Re: Heath IM-16 schematic?
by Garey Barrell <k4oah@mindspring.com>
23) Eliminating the 4H4, Maybe
by "WA5JCI" <wa5jci@flash.net>

Message-ID: <001901c48fff\$66210910\$0ed4e144@SONYDIGITALE.D>
From: "ed sharpe" <esharpe@uswest.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Broadcasting from Korea AFKN bC-610s - superpros, who could ask for more?
Date: Wed, 1 Sep 2004 01:40:54 -0700
MIME-Version: 1.0
Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=original
Content-Transfer-Encoding: 7bit

Broadcasting from Korea AFKN bC-610s - superpros, who could ask for more?
www.smecc.org/a_broadcast_engineer_in_korea_-_1957.htm

neat! another case of a lost adventure... .. hope you enjoy. send me more paperwork I will scan it and put it online.

Thanks Ed Sharpe, Archivist for SMECC - - See the Museum's Web Site at www.smecc.org

We are always looking for items to add to the museum's display and ref. library - please advise if you have anything we can use.

Coury House / SMECC
5802 W. Palmaire Ave.
Glendale Az 85301 USA

Phone 623-435-1522

Date: Wed, 1 Sep 2004 07:19:53 -0400 (EDT)
From: stuck in 50s <polepeeg@ba-watch.org>
Message-Id: <200409011119.i81BJrjh009549@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: 6AG7 tx, PM, SB-102

Wull Garey, dang there it is in the '53 Hbk. Best part is 'surface mount' 110 switch on p-s.

Was a '53 hbk side-look since I was already there looking @ section on FM & PM modulators. The need to use a limiter after a PM was described well.

Explained nicely w/o any trig. And to a number-head, the 90-deg lead vs 90-deg lag hand-waves translated to cosine & sine waveforms came out pretty well.

The PM adventure came over the Sonar NBFM flap that AB5L's MB-611 schemat solved

Was just on 7015 in qso on a 'revived' SB-102. 9 resistors, 1 geranium doide, and 30 hours later, it's all systems go. Ya know the thing works beautifully & I may take it from revived to restored - ie pretty-fy the tatty thing.

There's little not to like about a well-oiled SB-102 w. a CW filter Mrs. Goldberg.

Hamming's fine (hanning too)

Marty

Date: Wed, 01 Sep 2004 08:35:09 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Listown" <listown@nanniandjack.com>
Subject: foto
Message-ID: <twmvsyubregfuyhxci@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/mixed;
 boundary="-----vuhlitjmtnuotswrmbfa"

-----vuhlitjmtnuotswrmbfa
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *

* * * * *

-----vuhlitjmtnuotswrmbfa--

From: "JAMES HANLON" <knjhanlon@msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: One Tube Transmitter Article?
Date: Wed, 1 Sep 2004 10:07:25 -0600
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Message-ID: <BAY4-DAV2510h3ceE3p0000aa13@hotmail.com>

Niel,

I can make you a copy of the construction article in my 1952 Handbook if you need it. I did not have one of those rigs, but I consistently worked several of them on the air as WN4VIV back in 1953. (My rig was a 6AG7 tri-tet driving a 2E26 and later a 6146.) As I recall, WN8PKN in Cleveland used to run "11 watts to an over-over-heated 6AG7."

73,

Jim Hanlon, W8KGI

----- Original Message -----

From: "Niel Wiegand" <nielwiegand@aggienetwork.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Tuesday, August 31, 2004 6:36 AM
Subject: One Tube Transmitter Article?

> I'm having trouble locating a particular transmitter construction
> article in my library.
>
> As I recall it was a 50s vintage crystal controlled single tube
> oscillator with the tube on it's side and pointing away from the
> operator. Mechanically it required a couple of angle brackets, a couple
> of pieces of stiff wire and 1/4" lathe. The article included quite
> detailed construction info for the novice. I believe this was an ARRL
> project but I can't find it in my handbooks.
>
> Can someone point me to the publication and the date?
>

> tn timer 73,
> Niel - W0VLZ
> <http://www.io.com/~nielw/wa5vlz.htm>
>

Message-Id: <6.0.0.14.0.20040901130053.042c4408@mail.bellsouth.net>
Date: Wed, 01 Sep 2004 13:03:40 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: wgdavis <wgdavis@ipass.net>
Subject: Question
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

> Hi Guys,
> Is anyone else getting the emails from the BoatAnchor Reflector
> that the message has been truncated.. I have received several in the last
> week or two.. Most of these R from; listtown@nanniandjack.com and
> the Subject is " foto ".. I really wouldn't be curious or concerned, but
> that one day I got another one from someone else with the exact same
> Subject; " foto " .. Now this file as an attachment with it; it was an
> Zipfile
> that I did Not open and promptly deleted the email and then the zipfile..
> When I deleted the Zipfile, my Norton stated that this file was High Risk
> for a Virus..
>
>
> 73 WG

Message-ID: <4136036A.4030802@cox.net>
Date: Wed, 01 Sep 2004 13:14:18 -0400
From: Mike Hanz <AAF-Radio-1@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Question
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Yup. It's the 'Download.Ject.D' Trojan Horse. Symantec just issued an update for it yesterday, so if you haven't updated your definitions of late, it's time to do so.

73,
Mike

wgdavis wrote:

```
>> Is anyone else getting the emails from the BoatAnchor Reflector
>> that the message has been truncated.. I have receive several in
>> the last
>> week or two.. Most of these R from; listown@nanniandjack.com and
>> the Subject is " foto ".. I really wouldn't be curious or
>> concerned, but
>> that one day I got another one from someone else with the exact same
>> Subject; " foto " .. Now this file a an attachment with it; it was
>> an Zipfile
>> that I did Not open and promptly deleted the email and then the
>> zipfile..
>> When I deleted the Zipfile, my Norton stated that this file was
>> High Risk
>> for a Virus..
>
```

Message-ID: <4136069F.4020905@internap.com>
Date: Wed, 01 Sep 2004 13:27:59 -0400
From: John Shriver <jshriver@internap.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: question (virus-infested list members)
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Some members of the Boatanchors Reflector are not practicing "safe computing", and have active viruses on their machines. The current viruses scan your Outlook address book, and forge mail from one person in that address book to another, with an attachment (the so-called foto) which is really the vector that carries the payload to the next sucker. (Click on the attachment, get infected.)

Thankfully, when the Boatanchors Reflector forwards the virus' message, it strips the deadly payload attachment, as the Boatanchors list prohibits attachments. (See why Jack did that?)

However, we all need to be careful, since we might receive a similar message from this virus-infested Boatanchors member, forged to be from yet another boatanchors member. So don't play with any attachments from another member of this list, unless you were really expecting it!

For instance, some virus-infested member of this list has my old @sockeye.com e-mail address in their Outlook address book. It sent a copy of the virus to Jack (listown), and he contacted me to warn me that

I had a virus. Well, that virus didn't come from me, since there are no machines in @sockeye.com anymore, and I use a Linux machine at work. (The @sockeye.com mail exchanger is now @internap.com, which is why Jack could send me the message.)

So, if you read this list on a Windows machine:

1. USE ANTIVIRUS SOFTWARE, AND BE SURE IT IS CONSTANTLY UPDATED.

Practice other forms of safe computing.

2. If you possibly can, consider using a mail reader less subject to automatic virus infestation than Outlook Express or Outlook. You can get Eudora, Netscape, Mozilla, or Thunderbird for free for Windows, all are a MUCH safer option than using Outlook Express. (Virus writers are working very hard to write viruses that infest machines via Outlook Express. There are viruses out there that do not require you to do anything to the attachment to get infected, they just use security holes in Outlook Express.)

wgdavis wrote:

```
>
>
>>      Hi Guys,
>>      Is anyone else getting the emails from the BoatAnchor Reflector
>> that the message has been truncated.. I have receive several in
>> the last
>> week or two.. Most of these R from; listtown@nanniandjack.com and
>> the Subject is " foto ".. I really wouldn't be curious or
>> concerned, but
>> that one day I got another one from someone else with the exact same
>> Subject; " foto " .. Now this file a an attachment with it; it was
>> an Zipfile
>> that I did Not open and promptly deleted the email and then the
>> zipfile..
>> When I deleted the Zipfile, my Norton stated that this file was
>> High Risk
>> for a Virus..
>>
>>
>>
>>      73      WG
>
>
>
```

Message-Id: <5.0.0.25.2.20040901100755.0255fb08@POP3.citlink.net>

Date: Wed, 01 Sep 2004 10:09:08 -0700

To: Old Tube Radios <boatanchors@theporch.com>
From: Paul Beckwith <beckrep@citlink.net>
Subject: Re: Question
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Yep, same here. Norton deleted it. Happened two or three times. Probably a virus.

73's de Paul K2LMQ

At 01:03 PM 9/1/2004 -0400, wgdavis wrote:

```
>>      Hi Guys,
>>      Is anyone else getting the emails from the BoatAnchor Reflector
>> that the message has been truncated.. I have receive several in the last
>> week or two.. Most of these R from; listown@nanniandjack.com and
>> the Subject is " foto ".. I really wouldn't be curious or concerned, but
>> that one day I got another one from someone else with the exact same
>> Subject; " foto " .. Now this file a an attachment with it; it was an
>> Zipfile
>> that I did Not open and promptly deleted the email and then the zipfile..
>> When I deleted the Zipfile, my Norton stated that this file was High
>> Risk
>> for a Virus..
>>
>>
>>
>>      73      WG
>
```

Message-ID: <001201c4904f\$7d5d5020\$414e9844@de114100>
From: "Ken Hickman" <n5cm@rtconline.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: question (virus-infested list members)
Date: Wed, 1 Sep 2004 13:14:14 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

Some time ago I copied all the addresses out of my address book and left it clean.

Now, no virus can be relayed thru my machine (Unless there is another possibility).

No big problem to keep the list outside the machine.
"Down With Hackers".
Take care.

Ken N5CM

Message-Id: <200409011815.i81IF11H012086@osr506.nanniandjack.com>
From: listown@nanniandjack.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Buying and Selling Guidelines
Date: Wed, 1 Sep 2004 11:15:01 -0700 (PDT)

Gang-

This periodic posting is intended as a gentle nudge and suggestion which should improve the quality of posts to the BoatAnchors list, and maintain our excellent (and high) signal to noise ratio...

The list culture has developed to include "for sale" and "wanted" posts. Originally, all buying and selling traffic was focused on finding parts to complete a restoration. As the list has evolved, there has been an increase in buying and selling activity, which may not be all bad.

There is, however, a real need to observe certain conventions, lest this otherwise benign activity turn into a real disturbance to the real purpose of the list: discussions of radio equipment using vacuum tubes, including the life and times of the designers and users of such gear.

Please observe these guidelines:

There is never a reason for an auction post or update on the Boatanchors List... comments about gear at auction elsewhere are noise, and those who would care already visit the auction sites, and those who do not frequent the auctions do not want to hear about it... simple policy -- keep this off the list!

- 1) LIMIT the frequency of for sale postings... once a month is a good starting point
- 2) DO NOT post endless "xxx is sold" to the entire list... you offered it for sale, and it is not considerate of list resources (which include the time and energy of the other list members) to burden the list with these senseless notices. Use direct email to those who responded, or, if you don't want to answer them personally, just don't use the list to advertise them for sale!

- 3) AVOID even the mere faint appearance that you are posting items for sale as a regular adjunct to your business dealings. This has become more of a problem lately with some long lists showing up regularly on the main list, or with dealers who appear to be using the list for their personal advertising advantage. Failure to observe these basics *will* result in banishment from the list -- just don't do it! When even a shadow of doubt creeps in, read the "Welcome" message again... it spells it out!
- 4) DO be considerate of those on the list in your for sale or wanted postings. Keep them short, infrequent, and ONLY include items specifically appropriate to the list -- NO solid state gear is obvious, but try to avoid pushing the envelope in any area.
- 5) LONG lists and estate offerings should be sent to me at:
listown@nanniandjack.com
so they may be uploaded to the archives for email, web, or ftp retrieval.
- 6) We now have a web page up. Go to:
<http://www.theporch.com>
and follow the "ListProc Web Interface" Link to get registered and use the web interface, which allows searching of previous articles and the archived text files.

Thanks for your understanding and help in making the boatanchors list have the highest signal to noise on the InterNet.

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@nanniandjack.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Wed Sep 1 11:15:00 PDT 2004

Message-ID: <4136160C.4030902@internap.com>
Date: Wed, 01 Sep 2004 14:33:48 -0400
From: John Shriver <jshriver@internap.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: question (virus-infested list members)
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Sadly, not good enough. Some viruses answer messages in your inbox, or in other folders. They will also harvest addresses from those messages.

Avoiding Outlook Express remains a key defense. Other mail clients

don't treat each peice of e-mail as a potential program to run.
Microsoft thought that it was a good idea...

Ken Hickman wrote:

>Hi Folks,
>
>Some time ago I copied all the addresses out of my address book and left it
>clean.
>Now, no virus can be relayed thru my machine (Unless there is another
>possibility).
>No big problem to keep the list outside the machine.
>"Down With Hackers".
>Tale care.
>
>Ken N5CM
>
>
>
>
>

Message-ID: <41363BF5.51E7E590@comcast.net>
Date: Wed, 01 Sep 2004 15:15:36 -0600
From: "Herbert M. Rosenthal" <herbrose@comcast.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Virus and hacking protection, sort of...
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Those of us who have cable or DSL servers have an option to enhance their immunity: get a router! The router goes between your modem and your computer on the Ethernet line. They cost about \$40-DLink model DI-604 works for the MAC and the PC. Anyone 'looking at you' sees the numerical IP address of the router and if they try to plant something there, they can't. Your router has a hidden number to your computer and so a hacker cannot access your computer to do dastardly things.

Now, this doesn't solve all problems from the wicked world 100% but it's a darn good start . As others have stated, dump Explorer for another Application, and don't download every attachment you receive just because you're curious.

I shan't boast about the immunity of a MAC (ahem!) but they're not targeted as are most all of the PC operating systems due to the sheer low number of them compared to the PC. But it will happen one day.

Also, the routers usually have 4 ports, so one can connect other items such as other computers and printers, etc., the original purpose of the router.

Check this out with your computer guru and you will see that a router acts as one excellent but inexpensive firewall for HSN and DSL.

Herb Rosenthal W5AN
Albuquerque

Message-ID: <00a901c490a4\$7b67c110\$9fc8b83f@yourxb2x7j77gn>
From: "David Thompson" <thompson@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: foto attachments
Date: Thu, 2 Sep 2004 00:22:37 -0400
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am getting these on both my ISP's and suspect most are coming from address books

no where near the address you see.

Delete them, delete them, delete them and let's go back to our boatanchors.

Dave K4JRB

Mime-Version: 1.0
Message-Id: <p06020400bd5c674784f0@[216.175.91.57]>
Date: Wed, 1 Sep 2004 23:01:18 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: 6AG7 tx, PM, SB-102
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Marty wrote:

>Hamming's fine (hanning too)

>

>

and Scott says, "What if I don't do windows?"

heh.

/scott

Message-ID: <41372295.5010208@bobkemp.com>
Date: Thu, 02 Sep 2004 08:39:33 -0500
From: Bob Kemp <bkemp@bobkemp.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 4h4 Substitute?
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

What's the quick sub for the 4H4 in my NC-303? Can't you throw in a 6v6?
Bob

Message-ID: <15754231.1094131119084.JavaMail.root@wamui03.slb.atl.earthlink.net>
Date: Thu, 2 Sep 2004 09:18:38 -0400 (GMT-04:00)
From: GAREY - K40AH <k4oah@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 4h4 Substitute?
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes

-----Original Message-----
From: Bob Kemp <bkemp@bobkemp.com>
Sent: Sep 2, 2004 9:39 AM
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 4h4 Substitute?

What's the quick sub for the 4H4 in my NC-303? Can't you throw in a 6v6?
Bob

From: wb3fau@att.net
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 4h4 Substitute?
Date: Thu, 02 Sep 2004 17:01:36 +0000
Message-Id:
<090220041701.14531.413751EF00080260000038C321603763169A0E00CC0D99@att.net>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="NextPart_Webmail_9m3u9jl4l_14531_1094144496_0"

--NextPart_Webmail_9m3u9jl4l_14531_1094144496_0

Content-Type: text/plain

Content-Transfer-Encoding: 8bit

Yes ditto- you don't need the 4H4C it does not do enuf to stop drift.
Russ.

----- Original message from GAREY - K4OAH : -----

>

> Yes

>

> -----Original Message-----

> From: Bob Kemp

> Sent: Sep 2, 2004 9:39 AM

> To: Old Tube Radios

> Subject: 4h4 Substitute?

>

> What's the quick sub for the 4H4 in my NC-303? Can't you throw in a 6v6?

> Bob

>

>

--NextPart_Webmail_9m3u9jl4l_14531_1094144496_0

Content-Type: text/html

Content-Transfer-Encoding: 8bit

<html>

<!-- BEGIN WEBMAIL STATIONERY -->

<head><style type='text/css'>

p {

margin: 0px;

}

</style></head>

<body>

<!-- WEBMAIL STATIONERY noneset -->

Yes ditto- you don't need the 4H4C it does not do enuf to stop drift. Russ.

<BLOCKQUOTE style="PADDING-LEFT: 5px; MARGIN-LEFT: 5px; BORDER-LEFT: #1010ff 2px solid">----- Original message from GAREY - K4OAH <K4OAH@MINDSPRING.COM>:

>
> Yes
>
> -----Original

Message-----
> From: Bob Kemp <BKEMP@BOBKEMP.COM>
> Sent: Sep 2, 2004 9:39 AM
> To: Old Tube Radios <BOATANCHORS@THEPORCH.COM>
> Subject: 4h4 Substitute?
>
> What's the quick sub for the 4H4 in my NC-303?

Can't you throw in a 6v6?
> Bob
>
> </BLOCKQUOTE>

<!-- END WEBMAIL STATIONERY -->

</body>

</html>

--NextPart_Webmail_9m3u9jl4l_14531_1094144496_0--

Message-ID: <000a01c49110\$7cec9440\$6d17e304@hal>

From: "WA5JCI" <wa5jci@flash.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: 4h4 Substitute?

Date: Thu, 2 Sep 2004 12:15:44 -0500

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

When my regulator pooped out, I mounted a MPF102 across the tube socket, sans tube, added a voltage droppomg resistor in the B+ line and a 12VDC Zener diode. Everything is reversible and radio is much more stable then in the original configuration. I don't have the exact info here and it has been over 15 years since I changed to a JFET but that is basically the mods I did.

Good luck, your milage may vary,

es 73 de Pete WA5JCI EM21jv

6 Mtr VUCC#361/799 Confirmed--2 Mtr VUCC#346/190 Confirmed

6 Mtr WAS#490--6 Mtr DXCC#404/121 Confirmed

Charter Life Member CSVHFS #28 6 Mtr WAC-CW

WAS QRPp#90

If the universe contains advanced life forms where is everybody?

Fermi's paradox

Message-ID: <000701c49115\$d7360940\$8101a8c0@radio>

From: "Bob Kemp" <bkemp@bobkemp.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: NC-300/303 Parts needed

Date: Thu, 2 Sep 2004 12:54:02 -0500

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Would anyone have the acorn nuts and the metal straps for the front of the NC-303/300 receiver(holds the rig into the cabinet).

Thanks.

Bob

wa0vrc

Message-ID: <41377294.6090203@mindspring.com>
Date: Thu, 02 Sep 2004 15:20:52 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: NC-300/303 Parts needed
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Bob -

The metal straps are just flat steel strips, I can give you the dimensions if you want. The acorn nuts are available from True Value hardware stores. The little boxes of "special hardware".

73, Garey - K40AH
Atlanta

Bob Kemp wrote:

>Would anyone have the acorn nuts and the metal straps for the front of the
>NC-303/300 receiver(holds the rig into the cabinet).
>Thanks.
>Bob
>wa0vrc
>
>
>
>

Date: Thu, 02 Sep 2004 20:09:09 -0500
From: Charles <charlesmorris@direcway.com>
Subject: Heath IM-16 schematic?
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <qsgfj090uqoibpjnetoces0r41snr3g68t@4ax.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Not sure if it qualifies as a boatanchor, but it's probably old enough... I have a Heathkit IM-16 VOM and would like a copy of the schematic. No manual found on BAMA or the usual online places.
thanks

Charles
WB3JOK

Message-ID: <4137CED3.6000308@mindspring.com>
Date: Thu, 02 Sep 2004 21:54:27 -0400
From: Garey Barrell <k4oah@mindspring.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Heath IM-16 schematic?
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Charles -

I have an IM-16. The manual is here somewhere. If I can find it I'll scan the schematic for you. It doesn't show up on any of the usual suspect sites.

73, Garey - K40AH
Atlanta

Charles wrote:

>Not sure if it qualifies as a boatanchor, but it's probably old
>enough... I have a Heathkit IM-16 VOM and would like a copy of the
>schematic. No manual found on BAMA or the usual online places.
>thanks
>Charles
>WB3JOK
>
>
>
>

Message-ID: <000d01c49159\$c39ed620\$f0f9e204@hal>
From: "WA5JCI" <wa5jci@flash.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Eliminating the 4H4, Maybe
Date: Thu, 2 Sep 2004 21:00:11 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Well, I finally found the NC 303 book but the mod sheet wasn't there, but

here's the gist of it.

Take out V7, the oscillator tube. Attach MPF 102 or other suitable JFET to the plate, grid 1 and cathode pins. From the unregulated voltage pin of V11, which can now be removed, a series dropping resistor is needed. A little Ohm's law will fix you up there. Remove the end of R34 the 10K resistor from the tube socket, guess that should have been done first. Bypass the cold end of the added dropping resistor and add about a 1K Ohm resistor from there to the plate pin of V7, now the JFET drain. Seems like I had to change the 100K R31 resistor to 47 K to get it to oscillate, it's been 15 years so give me a break, and nope, I'm not gonna get the receiver down and take a look.

Easier than it sounds, tinkering can be fun!

es 73 de Pete WA5JCI EM21jv

6 Mtr VUCC#361/799 Confirmed--2 Mtr VUCC#346/190 Confirmed

6 Mtr WAS#490--6 Mtr DXCC#404/121 Confirmed

Charter Life Member CSVHFS #28 6 Mtr WAC-CW

WAS QRPp#90

If the universe contains advanced life forms where is everybody?

Fermi's paradox

End of BOATANCHORS Digest 3701
